

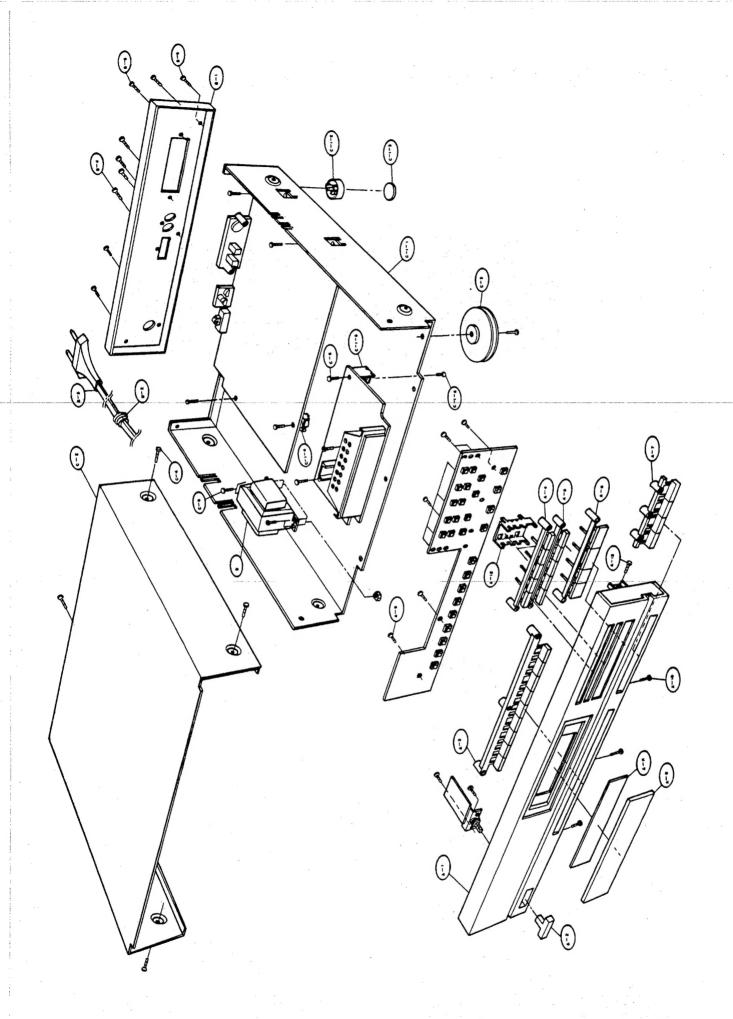
Quelle Technischer Kundendienst

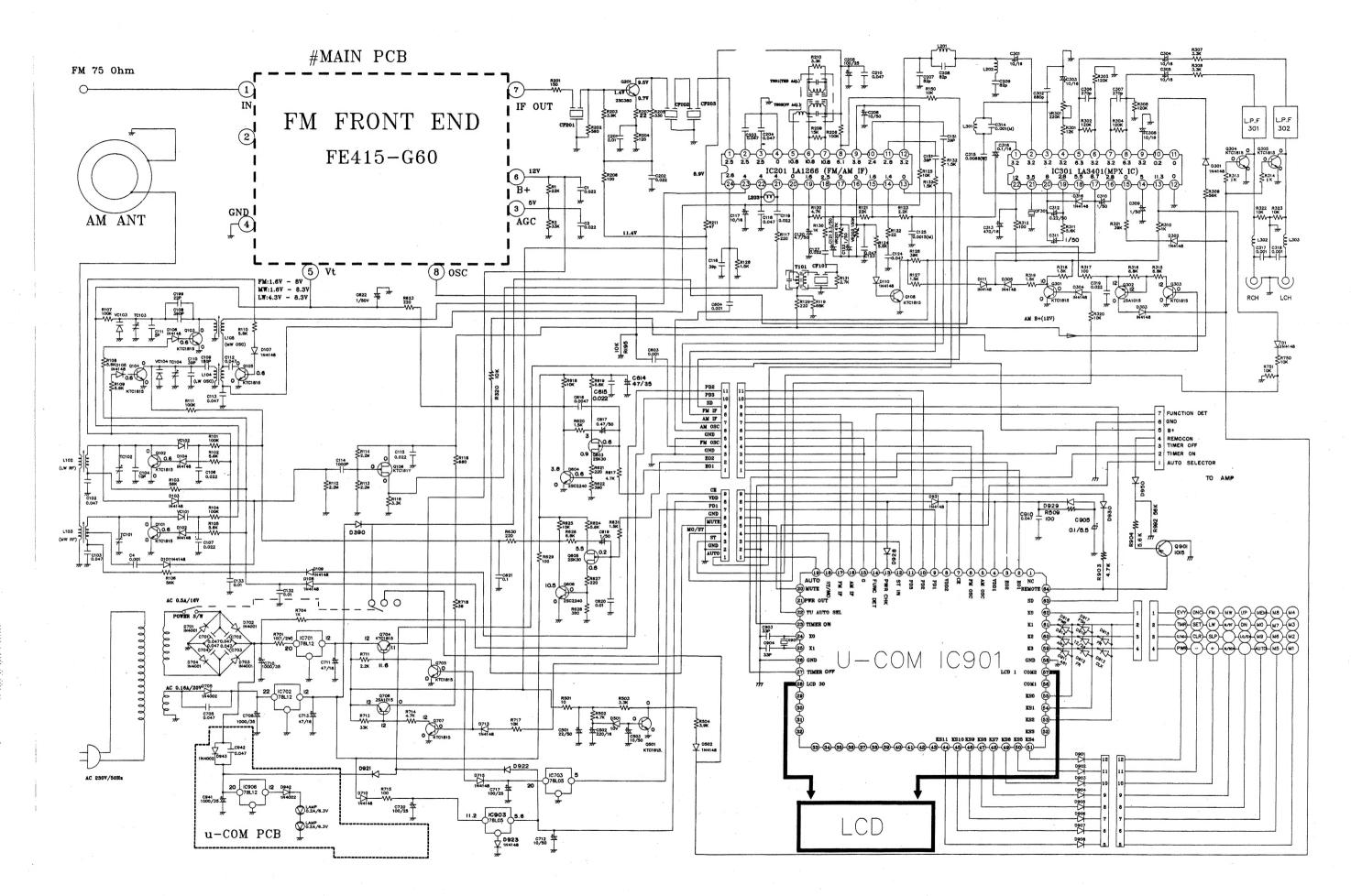
065.6488



BESTELL-NR. 0656488
GERAETEBEZEICHNUNG UNIVTUNER
WARENGATTUNG 653 AUSFUEHRUNGS-NR. 001
AUSFUEHRUNGS-NR. 001
GERAETEBESCHREIBUNG PRIVILEG T 4315
LIEFERANTEN-NR. 201888 PREIS 198.00
PREIS 198.00
KATALOG 914. GARANTIEZEIT 6
KD-SEKTOR R HEIM/BRINGE WERKSTATT
BETREUUNG EIGEN KOSTENTRAEGER EIGEN
REPARATURFAEHIG

6700-451/118

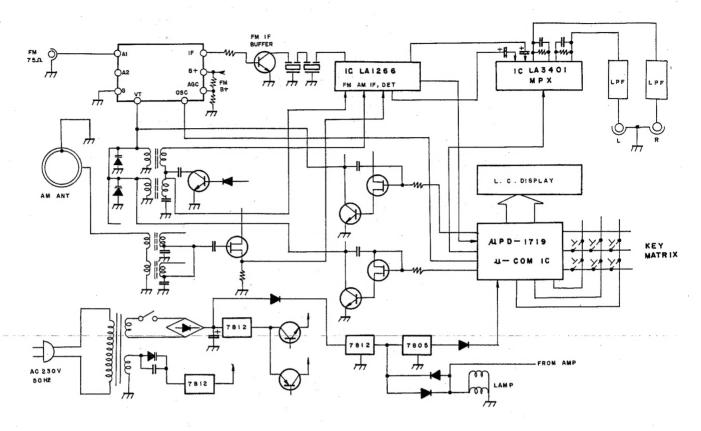




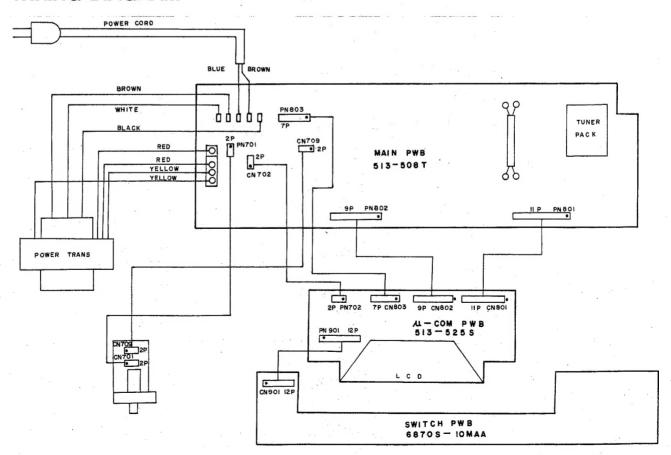
ZEILE POSITION SYM	BEZEICHNUNG	ET-NUMMER
2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NF-VERB.KABEL 2X CINCH JE SEITE FM-WURFANTENNE 75 OHM-ANSCHLUSS STEUERKABEL,11-PIN AM-HILFSANTENNE	997 609 3 965 604 2 749 379 4 743 441 8
	GEHAEUSE UND BEDIENTEILE	
8 9 A-1 10 A-2 11 A-3 12 A-4	FRONTBLENDE KNOPF,POWER KNOPFLEISTE 9-FACH TIMER-SLEEP KNOPFLEISTE 5-FACH 1-5	749 395 0 749 406 5 749 400 8 749 397 6
13 A-5 14 A-6 15 A-7 16 A-7 17 A-11	KNOPFLEISTE 5-FACH 6-0 KNOPFLEISTE 4-FACH, UP-DOWN KNOPFLEISTE 4-FACH FM-ST FRONTSCHEIBE FILTERSCHEIBE	749 401 6 749 393 5 749 402 4 749 399 2 749 398 4
18 B-1 19 C1-2	RUECKHAND FUSS FILZ GEHAEUSE-OBERTEIL FUSS,VORNE	749 396 8 745 496 0 745 536 3 749 403 2 749 361 2
23 D 24	NETZTRAFO ANTANSCHLUSSBUCHSE,AM-FM	749 405 7 749 404 0
25 26	ELEKTRISCHE TEILE :	
27 28 29 30 31	NETZTRAFO UKW-TEIL CINCHBUCHSE BUCHSE,11-PIN	749 405 7 749 394 3 745 583 5 749 377 8
34 CF301 35 D101,103 36 D102,104	AM-KERAMIK-FILTER SFP 450H FM-KERAMIKFILTER SFE 10.7 MS3 AM-KERAMIK-FILTER CSB 456F11 DIODE 1 N 4148 DIODE 1 SS 132	734 268 6 733 843 7 734 269 4 175 540 4 725 598 7
37 D105-110 38 D111,112 39 D117-301 40 D303-503 41 D701-704	DIODE 1 N 4148 DIODE 1 SS 132 DIODE 1 N 4148 DIODE 1 SS 132 DIODE 1 SS 132 DIODE 1 N 4001	175 540 4 725 598 7 175 540 4 725 598 7 176 419 0
42 D705 43 D709,716 44 D713-917 45 D920,921	DIODE 1 N 4002 DIODE 1 SS 132 DIODE 1 N 4148 DIODE 1 N 4002 DIODE 1 N 4148	921 523 7 725 598 7 175 540 4 921 523 7 175 540 4
46 D922-952 47 IC201 48 IC301 49 IC701,702 50 IC703 51 IC901	IC LA 1266 IC LA 3401 IC 7812 IC UPC 78 L 05 IC UPD 1719 G-650-12	A 25
	IC 7812 IC UPC 78 L 05 DISPLAY HLC 8018-014210 MPX-FILTER LW-ANTENNEN-FILTER MM-ANTENNEN-FILTER	
57 L103 58 L104 59 L105 60 L201,202	MM-ANTENNEN-FILTER LW-OSZILLATORSPULE MW-OSZILLATORSPULE DROSSEL 20.8 MH DROSSEL 39 MH	743 295 8 749 411 5 746 449 8 749 412 3 749 413 1
62 L301 63 L302,303	DROSSEL 7.8 MH DROSSEL 47UH	749 414 9 733 798 3
68 Q302 69 Q303-501 70 Q603,605	TRANSISTOR KTK 161 Y TRANSISTOR Z SC 380 TRANSISTOR KTC 3198 TRANSISTOR KTA 1266 TRANSISTOR KTC 3198 TRANSISTOR KTC 3198 TRANSISTOR KTC 3200	749 385 1 749 384 4 175 984 4
72 Q704,705 73 Q706 74 Q707,902 75 Q901	TRANSISTOR KTC 3198 TRANSISTOR KTA 1266 TRANSISTOR KTC 3198 TRANSISTOR KRC 103 S	749 384 4 749 385 1 749 384 4 749 383 6
77 SW901-928 78 T101	TASTSCHALTER	749 388 5 746 453 0
82 X901 83 ZD501		

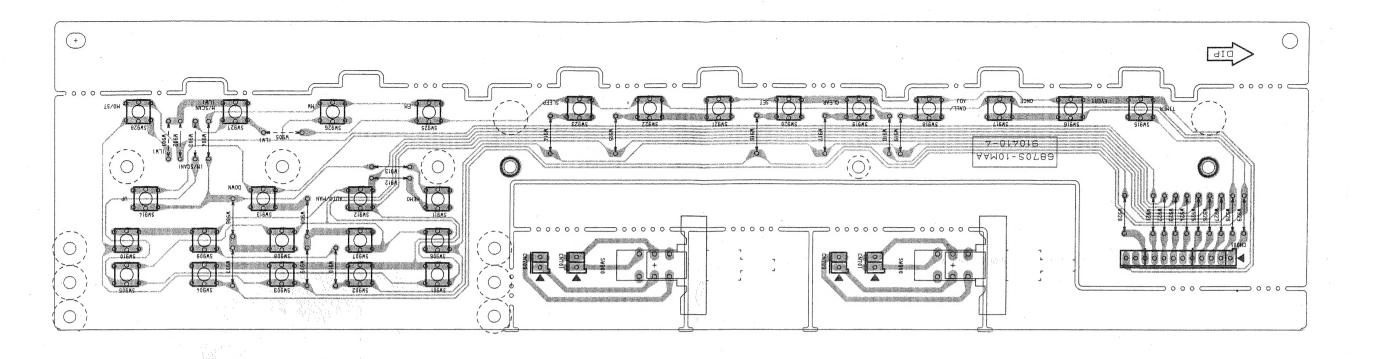
ENDE

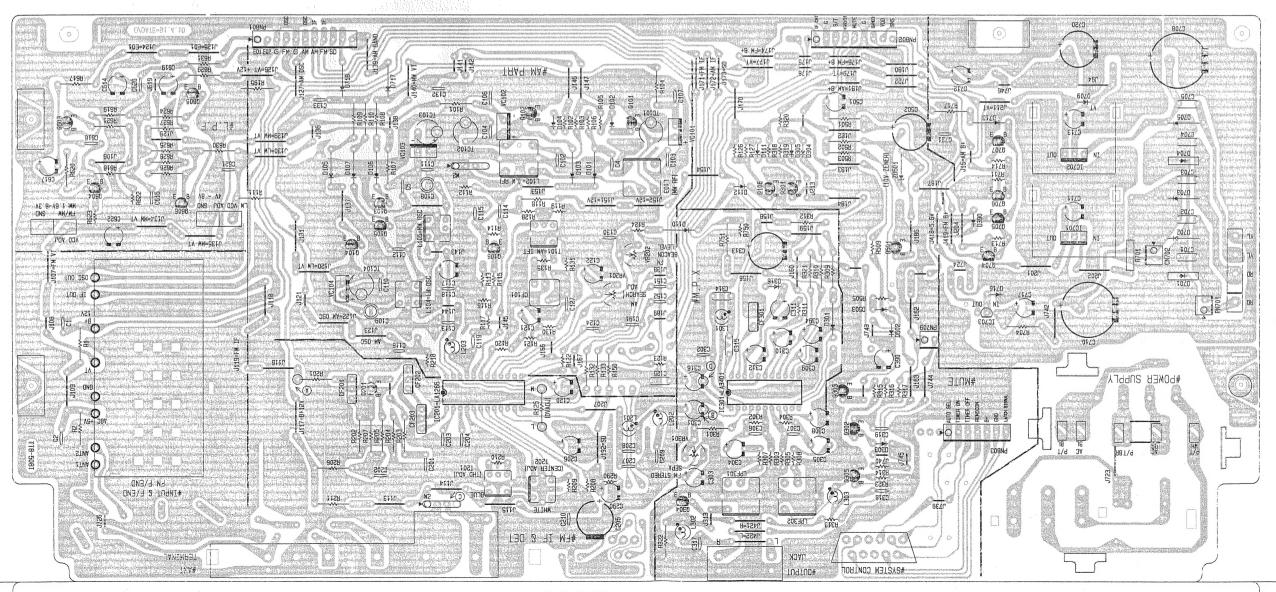
BLOCK DIAGRAM



WIRING DIAGRAM







STNEMTSULDA

tampers with the adjustment, realignment may be necessary. recommended that any attempt is made to modificate any circuit. If any parts are replaced or if anyone This set has been aligned at the factory and normally will not require further adjustment. As a result, it is not

Modulation

TNATROOM!

1. Check power-source voltage.

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- 2. Set the function switch to band being aligned.
- 3 Keep the signal input as low as possible to adjust accurately.
- 4. Modulation and modulation frequency:

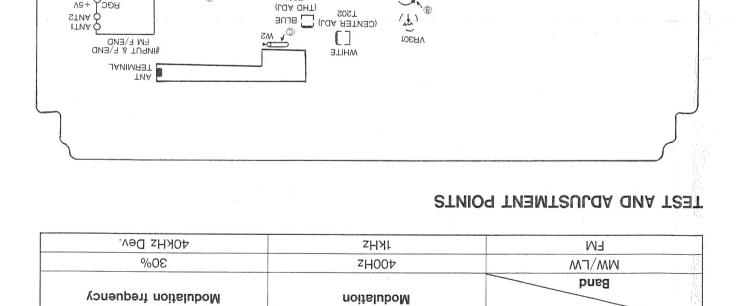


Figure 1. Main P.C.Board View

VR202 (🕏

T-JI MA = FOIT

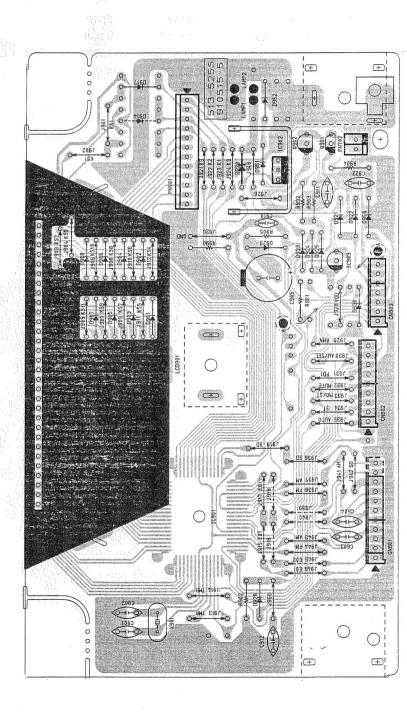
(C) (T)

7104 = FM 08C

GND FM ACO YD1

FM/WW GND FW/WW: 1.6V-8.3V

O B+



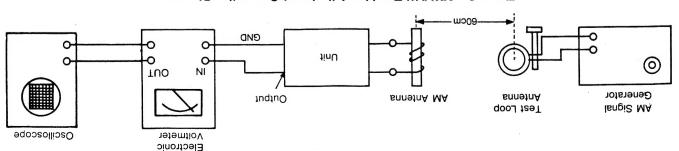


Figure 6. MW/LW Tracking Adjustment Connection Diagram

5. FM IF ADJUSTMENT

IF Genescope..... Connect the input to test point (-), the output to test point (-).

See Figure 8.	T202	Maximum liner S curve
Remarks	tnemtsulbA	Por For
9,1,000		

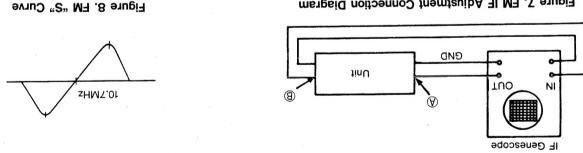


Figure 7. FM IF Adjustment Connection Diagram

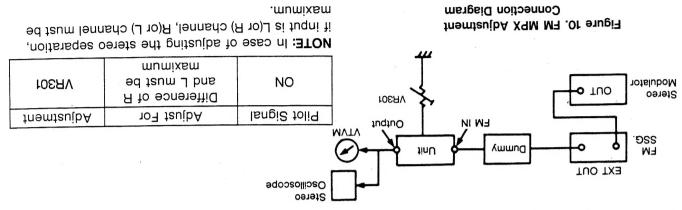
6. FM T.H.D. ADJUSTMENT

FM IN Both side of L	$VTVM$ R125 (\bigcirc & \bigcirc).	
NinU inu	Distortion Meter Connect to both side of R125 (① & 例):	
Distortion neter	Signal Generator Connect to FM Antenna Terminal through the dummy Dummy	

Figure 9. FM T.H.D Adjustment Connection Diagram

T201	G.H.T muminiM	ZHY 86
fnemtsulbA	Tol For	Freduency

NOITARAGES-TNEMT-SULGA X9M M7 . 7



1. MW/LW IF ADJUSTMENT

Adjust for the IF waveform of Genescope to be maximum. IF Genescope..... Connect the input to test point @-C316 (-), the output to test point @.

			© JinU	TUO
TIOIT	mumixsM	420KHz		
Adjustment	no TaulbA	님		IF Genescope

Figure 3. MW IF Curve

Figure 2. MW/LW IF Adjustment Connection Diagram

2. MW COVERAGE ADJUSTMENT

DC Voltmeter Connect to FM/MW VCO and GND.

Repeat steps 1 and 2 several times.				
TC103	V5.8	1611 KHz	2	
7109	V9.1	222 KHz	L	
tnəmtsuįbA	ToT faulbA	Frequency	Step	

₹20KH

) Noltmeter	GND GND EW/WM ACO	1inU	
--	-------------	-------------------	------	--

Connection Diagram Figure 4. MW Coverage Adjustment

3. LW COVERAGE ADJUSTMENT

DC Voltmeter Connect to LW VCO and GND.

Repeat steps 1 and 2 several times.			3
290 KHZ 8.3V TC104		2	
†017	V8.E	146 KHZ	L
finemteulbA	Tol taulbA	Frednency	Step

ţuə	mtauib	A Soverage A	2 eyilbi3
Noltmeter Voltmeter		еир ГМ АСО	JinU

Connection Diagram

4. MW/LW TRACKING ADJUSTMENT

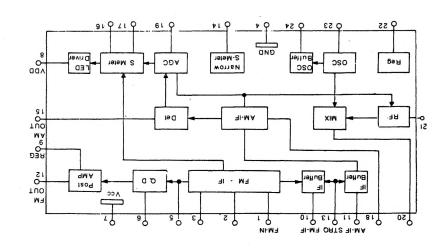
indication of Electronic Voltmeter of the waveform of Oscilloscope to be maximum. Signal Generator Connect to the MW/LW antenna coil through the loop antenna. Adjust for the

Repeat steps 1 and 2 several times.				3
S24 KHz Maximum Sensitivity TC102		ΠМ	2	
L102	164 kHz Maximum Sensitivity			L
Repeat steps 1 and 2 several times.				3
TC101	1404 KHz Maximum Sensitivity		WM	2
F103	Maximum Sensitivity	294kHz Maximum Sensitivity		Ļ
InəmteuibA	no¬ teu[bA	Frequency	Band	Step

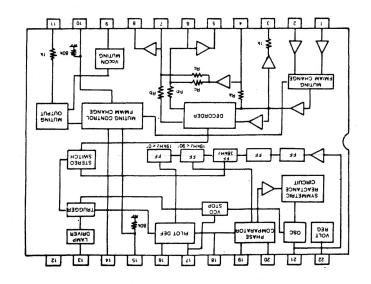
8. FM STEREO BEACON SENSITIVITY

LA1266 (AM/FM IF)

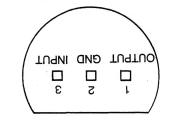
INTERIOR BLOCK DIAGRAM OF IC



(X9M) f046AJ



$^{\prime\prime}$ PC78L05J (Voltage Regulator)



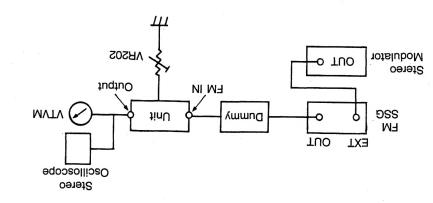


Figure 11. FM Stereo Beacon Sensitivity Adjustment Connection Diagram

VR202	ST LED Display ON	Λ ^π G	NO
tnəmtsuįbA	ro1 teuįbA	Input of FM IN	IsngiS toli9